DECODING SYSTEM AND METHOD FOR PROPER INTERPOLATION FOR MOTION COMPENSATION

ABSTRACT

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The present invention can complement and benefit virtually any method utilizing motion compensation to decode an inputted digital video data stream by determining a likely local nature of reference frame data area in the video data stream and then applying proper interpolation to the reference frame data area according to the determined likely local nature of the reference

10 frame data area. The present invention can also complement and benefit virtually any decoding system utilizing motion compensation to decode an inputted digital video data stream by providing a motion compensation predictor that is adapted to determine a likely local nature of a reference frame data area in the video data stream and then apply proper interpolation to the reference frame data area according to the determined likely local nature of the reference frame

15 data area.